

## Applicable Optical Cable:

- \* Single Optical  
Cable: 8.3/125um, 8.7/125um, 9/125um, 10/125um
- \* UTP Cable: Cat5/5e, Cat6
- \* Confirm the input voltage of equipment:  
110V/220V or 12V/24V/48V, the connect
- \* Corresponding power adapter, PWR indicator  
will be on with suitable power supply

## Technical Parameter:

	DG-MC5123E	DG-MC6123E
Items	10/100Mbps Media Converter	10/100/1000Mbps Media Converter
Transmission Type	Fast Ethernet	Gigabit Ethernet
Transmission Mode	10/100Mbps Full/half duplex	10/100/1000Mbps Full/half duplex
MTBF	>3Years	>3Years
BER	<1E-8	<1E-8
Data Buffer	1 Mbits	1 Mbits
Power Stability Factor	0.2mw/C	0.2mw/C
Input Power Range (dBm)	0~-30	0~-40
Operation Temperature	0C~70 C	0C~70 C
Storage Temperature	-45 C~80 C	-45 C~80 C
Maximum Current	800mA	800mA
Power	2.5w	2.5w
Volume	External: LxWxH 95x70x26 mm	
	External: LxWxH 95x70x26 mm	

## Optional LFP Function:

- \* 10/100Mbps
- \* No fiber signal when Network disconnected,  
vise verse
- \* 10/100/1000Mbps
- \* No Network signal when fiber disconnected

## Packing List:

Please check the following items from package  
before installing the converter

- 1\* Fiber Media Converter
- 1\* Power Adapter
- 1\* User Manual

Warranty shall be subject to terms and conditions specified in the DIGISOL PRODUCT WARRANTY  
displayed on the website of the company.

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## User Manual

### Fiber Media Converter

DG-MC5123E / DG-MC6123E  
DG-MC5123ES-PTL / DG-MC5123ES-PRL  
DG-MC6123ES-PRL / DG-MC6123ES-PTL

#### Overview:

The non-managed fiber media converter is designed with a switch  
controller and buffer memory that connects two types segments  
operation smoothly. The converter can be used as standalone type or as  
card type to the 2U 19" converter rack-mount chassis for centralized  
power management.

Data Rate: DG-MC5123E 10/100Mbps,  
DG-MC6123E 10/100/1000Mbps

Optic Connector: SC

#### Features:

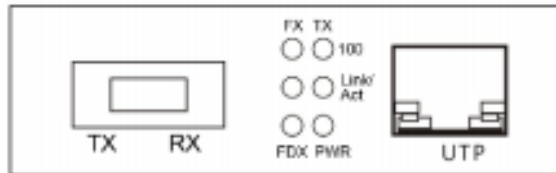
1. Built in efficient exchange kernel, Broadcasting filtration function,  
flowcontrol, CRC errorcheck.
2. Supports SPANNING TREE to conduct fault-tolerant Network.
3. Supports 10/100Mbps or 10/100/1000Mbps full/half duplex self-  
adaptive transmission and auto-negotiations, easy upgrades.
4. Max. transmission distance can be 20km
5. External power or Built-in power.
6. Standalone type can be installed into 14 slot 2U Rack; Card type  
into 16 slot Rack.
7. Hot-swap, high reliability.
8. Cache capacity: 1Mbits.
9. Built-in MAC address buffer space: 1K

#### Standard Protocol:

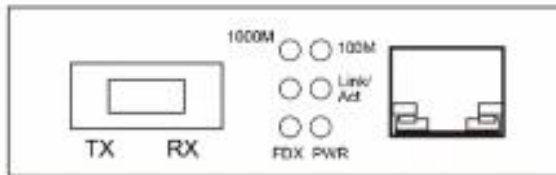
IEEE802.3 Ethernet standard  
IEEE802.3u fast Ethernet standard  
IEEE802.3d Spanning Tree standard

## Panel Structure Chart:

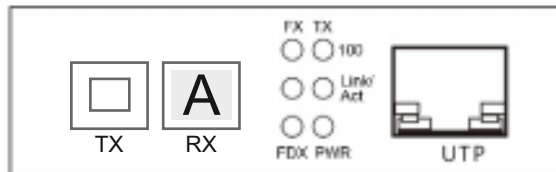
- Dual Fiber 10/100Mbps Media Converter DG-MC5123E



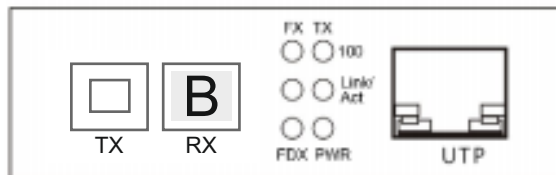
- Dual Fiber 10/100/1000Mbps Media Converter DG-MC6123E



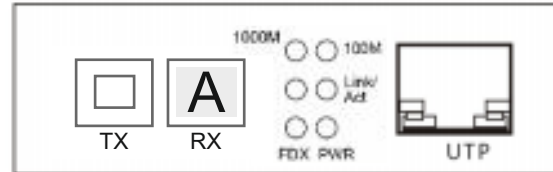
- Single Fiber 10/100Mbps Media Converter DG-MC5123ES-PTL



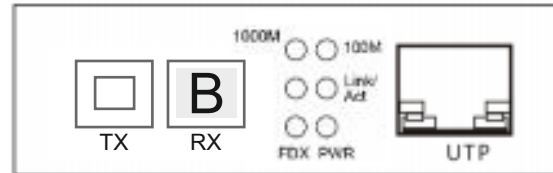
- Single Fiber 10/100Mbps Media Converter DG-MC5123ES-PRL



- Single Fiber 10/100/1000Mbps Media Converter DG-MC6123ES-PTL



- Single Fiber 10/100/1000Mbps Media Converter DG-MC6123ES-PRL

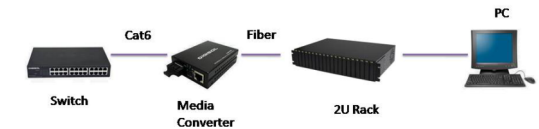


## LED Status Instruction:

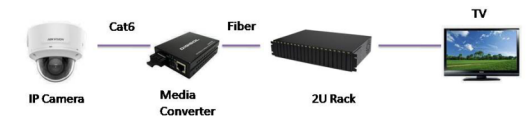
LED	FUNCTION	STATUS	OPERATION
PWR/PW	POWER	ON	Power On
		OFF	Power Off
FX	Optical	ON	Connected
	Signal	OFF	No Link
TX	Ethernet	ON	Connected
	Ethernet	OFF	No Link
FDX	Ethernet	ON	Full Duplex
	Ethernet	OFF	Half Duplex
Link/Act	Fiber / Ethernet	ON	Connected
		FLASH	Data Flow
		OFF	No Link
100	Ethernet	ON	100Mbps Signal
	Ethernet	OFF	No Connected / Link Fail
1000	Ethernet	ON	1000Mbps Signal
	Ethernet	OFF	No Connected / Link Fail

## Installation and Connection:

- \* When connecting with PC, twisted-pair are parallel lines.
- \* When connecting switch connector, twisted-pair are cross-wire.
- \* Connecting with IP Network



- \* Connecting with IPcamera



## Caution:

- \* The connection of optical interface must match singlemode for Tx and Rx
- \* Dualfiber, Tx and Rx must be same wavelength; DG-MC5123E / DG-MC6123E
- \* Singlefiber, Tx and Rx as corresponding crossed wavelength; DG-MC5123ES-PTL / DG-MC5123ES-PRL DG-MC6123ES-PRL / DG-MC6123ES-PTL